International application No.

PCT/JP2004/017996

CLASSIFICATION OF SUBJECT MATTER

A61K31/192, 31/216, 31/5375, 31/4453, 31/341, C07D295/08, 307/16, 317/54, C07C69/734, 59/68, G01N33/50, 33/15, A61P3/04, 3/06, 3/08, 43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61K31/192, 31/216, 31/5375, 31/4453, 31/341, C07D295/08, 307/16, 317/54, C07C69/734, 59/68, G01N33/50, 33/15, A61P3/04, 3/06, 3/08, 43/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) REGISTRY (STN), CAPLUS (STN), EMBASE (STN), MEDLINE (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Р, У	WO 2004/041266 A1 (Takeda Chemical Industries, Ltd.), 21 May, 2004 (21.05.04), Claims 1 to 9, 35, 36 & JP 2005-015461 A2	1-18,22-24
Y	WO 99/11255 A1 (Ono Pharmaceutical Co., Ltd.), 11 March, 1999 (11.03.99), Examples 26-156, 26-159; Claims 1, 4 & AU 9887502 A1	1-4,6,8,9, 11,13,16-18, 22,23
Y	WO 2002/067868 A2 (MILLENIUM PHARMACEUTICALS INC.), 06 September, 2002 (06.09.02), Claim 24; page 3, lines 5 to 29 & US 2002/0177151 A1 & AU 2002/258428 A1	1-4,6-9,11, 13,16-18,22, 23

×	Further documents are listed in the continuation of Box C.		See patent family annex.	
'A"	Special categories of cited documents:	"I"	later document published after the international filing date or priority	
^	document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"X"	considered novel or cannot be considered to involve an inventive	
			step when the document is taken alone	
		"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
0"	"P" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed			
17			document member of the same patent family	
L		-	The second secon	
Date of the actual completion of the international search 25 February, 2005 (25.02.05)		Date of mailing of the international search report		
			22 March, 2005 (22.03.05)	
Name and mailing address of the ISA/		Authorized officer		

Telephone No.

Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-265457 A (Takeda Chemical Industries, Ltd.), 18 September, 2002 (18.09.02), Example 7; Claims 1, 16 to 22 & WO 2002/053547 A1 & EP 1357115 A1 & US 2004/058965 A1	1-4,6,7,13, 22,23 5,24 5-9,13,24
X Y	WO 2003/016254 Al (Ono Pharmaceutical Co., Ltd.), 27 February, 2003 (27.02.03), Example 34(27); Claims 1, 17, 18; page 1, line 12 to page 2, line 14 & EP 1431267 Al & BR 2002/011810 A	
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Da-	No. II	
Box	110.11	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This	internations	al search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
'		
is Ru	dthus: not re	e they relate to subject matter not required to be searched by this Authority, namely: 19 to 21 pertain to methods for treatment of the human body by therapy relate to a subject matter which this International Searching Authority equired, under the provisions of Article 17(2)(a)(i) of the PCT and 1 (iv) of the Regulations under the PCT, to search.
2. [Nos.:
	because extent t	they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
ľ		
, _	7	
3.	Claims 1	
	because	they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box N		Observations where unity of invention is lacking (Continuation of item 3 of first sheet) Searching Authority found multiple inventions in this international application, as follows:
an Com Thu ove Fu regu (b)	aromat pound s, this r the p urther, ulation and a continu As all req claims. As all sear any addition	ter common to the inventions of claims 1 and 22 and claims 5 and edicine containing a "compound having a group capable of releasing ic ring and a cation" (a). However, the medicine containing the (a) is publicly known as described in references (1), (3) and (4). It is matter cannot be recognized as being a special technical feature prior art. With respect to stress regulation and "14273 receptor function of "(b), "stress regulation" of claim 5 includes a case via regulation case not via regulation (b). The ded to extra sheet) Which is a search fees were timely paid by the applicant, this international search report covers all searchable or covers and search fees were timely paid by the applicant, this international search report covers are claims for which fees were paid, specifically claims Nos.:
	·	Acto party specifically claus inos.:
	No require restricted to	ed additional search fees were timely paid by the applicant. Consequently, this international search report is the invention first mentioned in the claims; it is covered by claims Nos.:
mark (on Protest	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet(2)

In the case not via regulation (b), it does not appear that there is a close relationship between them.

Therefore, it does not appear that the inventions of claims 1 and 22 and claims 5 and 24 constitute a single technological concept.

With respect to claims 1 to 5 and 22 to 26

Claims 1 to 3 and 22 relate to a "14273 receptor" (B) function regulating agent containing a "compound having a group capable of releasing an aromatic ring and a cation" (A); claims 4 and 23 to a therapeutic agent for diabetes, etc. containing a receptor (B) function regulating agent containing compound (A); claims 5 and 24 to a stress regulating agent containing compound (A); and claims 25 and 26 to a method of screening ligand of receptor (B) with the use of compound (A).

With respect to compounds (A), in claim 3, they are limited to compounds of the general formula (I). However, a vast plurality of compounds are still included therein. Despite this, only some of the compounds, namely, compounds of the general formula (I) wherein the ring A is a benzene ring or condensed benzene ring, X is -C-O- (when the ring A is a benzene ring, C may constitute a part of the ring A), the ring B is a benzene ring, Y is -(CH2)2- and Y lies on para-position of X are ascertained in the description with respect to their action and pharmacological efficacy on receptor (B).

Therefore, in view of the way in which the claims are drafted, the subject matters of the inventions are unclear. Further, the description is not drafted clearly and fully to such an extent that persons skilled in the art to which the inventions pertain cannot carry out the inventions. Consequently, it cannot be stated that the inventions of these claims are fully supported by the description (PCT Article 5 and PCT Article 6)

Inasmuch as the description and claims of this application are drafted in a manner failing to satisfy prescribed requirements as mentioned above, with respect to claims 1 to 5 and 22 to 26, it is to be noted that prior art search has been carried out only on compounds specified in the description, namely, compounds of the general formula (I) wherein the ring A is a benzene ring or condensed benzene ring, X is -C-O-(C may constitute a part of the ring A), the ring B is a benzene ring or condensed benzene ring, Y is -(CH2)2- and Y lies on para-position of X.